Call for Papers

Workshop on Web and Grid Services for Scientific Data Analysis (WAGSSDA)
http://pat.jpl.nasa.gov/public/WAGSSDA/

To be held in conjunction with 2005 International Conference on Parallel Processing
(ICPP-2005), June 14-17, 2005, Oslo, Norway

Two concurrent processes are leading to potential changes in the way scientific data analysis is undertaken. First, many of the ideas from the world of the Grid are being transformed into a layer on top of Web Services. Second, a large amount of scientific data is becoming accessible through the Internet. Today, many scientific researchers are exploring these concepts to see if they can satisfy their data analysis needs.

The concepts of the Grid have had tremendous promise, but thus far this promise has not been fully realized. On the other hand, simple web-based technologies have transformed Web pages in powerful and dynamic content, which are being further enhanced by emerging Web Services. Many feel that grid services may be the solution that will allow the Grid to realize its potential, through use of Web Services.

Scientific data itself is increasingly distributed through the Internet, through such mechanisms as FTP, HTTP, and SRB. Frequently, users get frustrated simply trying to find a subset of data they want, or accessing it, let alone visualizing it, or obtaining knowledge from it. Various communities and projects are now developing standards and services to attempt to solve these problems.

The goal of this workshop is to cross-fertilize these areas, and to discuss components and services used in processing and data, as well as systems that combine both, all in the context of scientific data analysis. Topics of interest include, but are not limited to:

Topics of Interest

- Web services, including integrating emerging WS specifications such as WS-Notification, WS-Addressing
- Grid services, including the use of WS-RF or other emerging frameworks
- Security, including graduated authentication or the use of WS-Security
- Workflow management
- Data analysis and management
- Knowledge extraction
- Semantic services, including ontologies, use of RDF and XML Schema

Paper Submission Guidelines

- Not to exceed 20 double-spaced, 8.5 x 11-inch pages (including figures, tables and references) in 10-12 point font
- Number each page
- Include an abstract, five to ten keywords, and the corresponding author's e-mail address
- PDF format only
- E-Mail subm issions only, to the co-chairs

Important Dates:

Submission Deadline	January 10, 2005
Author Notification	March 21, 2005
Final Manuscript Due	April 11, 2005

Workshop Co-chairs

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